

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.K.

Conversion of spring wheat into wintering forms. Trudy Inst. gen.
no.24:213-231 '58. (Wheat) (MIRA 11:9)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

FEDOROV, A.K.

26-58-6-40/56

AUTHOR: Fedorov, A.K., Candidate of Biological Sciences

TITLE: Excrescence on Meadow Timothy Racemes (Izrastaniye sotsvetiya u timofeyevki lugovoy)

PERIODICAL: Priroda, 1958, Nr 6, p 114 (USSR) ⁴⁷

ABSTRACT: The author has been conducting experiments with timothy grass and reports that part of the timothy plants were transferred to conditions of a "10-hour day" immediately after the snow had melted. These plants developed their inflorescence simultaneously with the grass growing under normal conditions. However, some of the experimental plants showed peculiar excrescences.
There is 1 photograph.

ASSOCIATION: Institut genetiki Akademii nauk SSSR (Moskva)
(Institute of Genetics of the USSR Academy of Sciences, Moscow)

Card 1/1 1. Grasses-Experimentation 2. Plants-Growth

AUTHOR: Fedorov, A. K.

SOV/20-120-3-60/67

TITLE: On the Nature of the First Generation of Hybrids Between Summer-Generations of Plants, the Generations Which can be Used as Both Summerseed and Winterseed, and Winter-Generations (K voprosu o prirode pervogo pokoleniya sibridov mezhdu yarovymi sortami rasteniy, dvuruchkami i ozimymi)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 120, Nr 3, pp. 654 - 656 (USSR)

ABSTRACT: In publications the opinion is wide-spread that in the first hybrid-generation between summerplants and winterplants the properties of the summerplant dominate (References 1,2,5 and others). At the same time we know that the first hybrid generation of corn hibernates usually better than the parental summer-generation. As we know, the winter-proofness of plants is closely connected with the characteristics of their development. It is possible that this fact can be also applied to the last mentioned example. In order to check it, a test series with summer corn Lyutescens (Lutescens) 62, was carried out, which was crossed with winter corn Lutescens 329, further with Moscowva corn (summer) which was crossed with the latter sort, as

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On the Nature of the First Generation of Hybrids Between Summer- Generations of Plants, the Generations Which can be Used as Both Summerseed and Winterseed, and Winter-Generations

well as a crossing of all mentioned sorts with the summer-winter-generation "Noe". The data on table 1 show that the plants of the first hybrid-generation do hardly differ from the parental summer-generation between summer-winter corn and summer-corn, as well as between winter-corn and summer-corn in the case of a spring seed. The author stated already earlier (Reference 6) that a characteristic of the summer-winter-generations which favors their winter-proofness is the property to delay considerably the variation of the vegetation period in autumn, compared with summer-generations. This fact makes us realize that the first generation of the hybrids of the summer-generation with summer-winter-generations and somehow also of the hybrids between the summer-and winter-generations approaches the summer-winter-generations by their type of development. There are 1 table and 7 references, which are Soviet.

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On the Nature of the First Generation of Hybrids Bet- SOV/2o-12o-3-6o/67
ween Summer-Generations of Plants, the Generations Which can be Used as
Both Summerseed and Winterseed, and Winter-Generations

ASSOCIATION: Institut genetiki Akademii nauk SSSR (Institute of Genetics,
AS USSR)

PRESENTED: March 11, 1958, by T. D. Lysenko, Member, Academy of
Sciences, USSR

SUBMITTED: January 28, 1958

1. Plants--Growth 2. Seeds--Properties 4. Plants--Climatic factors

Card 3/3

FEDOROV, Aleksandr Konstantinovich; GENKEL', P.A., prof., otd.red.;
SAMYGIN, G.A., red.izd-va; MAKUNI, Ye.V., tekhn.red.

[Developmental characteristics of overwintering plants]
Osobennosti razvitiia zimuiushchikh rastenii. Moskva, Izd-vo
Akad.nauk SSSR, 1959. 196 p. (MIRA 12:4)
(Plants—Frost resistance)

FEDOROV, A.K., kand.biol.nauk

Particular aspects in the development of first generation plant
hybrids. Dokl.Akad.sel'khoz. 24 no.1:29-31 '59.

(MIRA 12:2)

I. Institut genetiki AN SSSR. Predstavlena akademikom I.Ye.
Glushchenko.

(Hybridization, Vegetable) (Wheat breeding)

17 (4), 30 (1)

AUTHOR:

Fedorov, A. K.

SOV/20-128-2-53/59

TITLE:

Different Responses to Light Conditions as One of the Distinctions of Spring Plants, of Spring-winter Plants, and of Winter Plants. On the Response of Plants to Light Conditions as One of the Causes Responsible for a Different Length of Their Vegetation Periods

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 2, pp 411-413
(USSR)

ABSTRACT:

The conclusion drawn by T. D. Lysenko concerning the importance of autumnal light for the evolution of winter properties in the transformation of spring wheat to winter wheat was a further development of the problem of directed alteration of plants. Therefore, the subject mentioned in the title and subtitle may contribute to the deepening and concretion of the problem of alteration of plants. As the author's experiments have shown (Ref 3), in the transformation of the spring wheat to winter wheat there appear also plants - in the progeny of the former, besides the winter wheat - which on sowing in spring put forth ears simultaneously, and on sowing in autumn hibernate satisfactorily. These plants lag far behind in their development

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Different Responses to Light Conditions as One of SOV/20-128-2-53/59
the Distinctions of Spring Plants, of Spring-winter Plants, and of Winter
Plants. On the Response of Plants to Light Conditions as One of the Causes
Responsible for a Different Length of Their Vegetation Periods

under the influence of the short day and the poor light intensity. This favors their resistance to winter. Vernalization of the seed hardly speeds up their development in the long day whereas the short day speeds it up considerably. These properties are also characteristic of the usual winter-spring sorts of wheat, barley and oats (Ref 2). The author hybridized them with spring- and winter sorts. He also did it between the winter- and spring sorts, and investigated the F_1 -hybrids for several years. The results of one of the experiments are described. Table 1 indicates that in the hybrids of the 1st generation sown in spring (from hybridization of spring wheats with spring-winter wheats, and of spring- with winter wheats), the point of growth (in the hump of growth) is differentiated, and the bursting of ears occurs about the same time with the parent spring sorts. On sowing in autumn (August 11 and 21), however, the development and growth of these hybrid plants is much retarded as compared with their parent spring sorts. All

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Different Responses to Light Conditions as One of the Distinctions of Spring Plants, of Spring-winter Plants, and of Winter Plants. On the Response of Plants to Light Conditions as One of the Causes Responsible for a Different Length of Their Vegetation Periods

SOV/20-128-2-53/59

this proves that the real spring plants, the spring-winter- and the winter plants are different from each other with respect to their response to light conditions in the initial period of life. Thus, plants with a certain vegetation period, certain winter properties, resistance to winter, etc - besides other properties - can be produced in connection with this alteration of the response to light conditions. There are 1 table and 3 Soviet references.

PRESENTED: May 18, 1959, by T. D. Lysenko, Academician

SUBMITTED: May 16, 1959

Card 3/3

FEDOROV, A.K.

Relation of the development of dual-purpose wheat to winter
hardiness. Fiziol.rast. 7 no.1:109-111 '60.
(MIRA 13:5)

1. Institute of Genetics, U.S.S.R. Academy of Sciences, Moscow.
(Wheat) (Plants--Frost resistance)

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CIA-RDP86-00513R000412620001-5

FEDOROV, A.K.

Winter hardiness of F_2 wheat hybrids. Trudy Inst. gen.
no. 27:85-87 '60. (MIRA 13:12)
(Wheat breeding) (Plants--Frost resistance)

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"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.K.

Development of perennial grasses. Trudy Inst. gen. no. 27:88-
94 '60. (MIRA 13:12)

(Grasses)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

FEDOROV, A.K.

Length of the yarovization stage in winter wheat under field conditions. Izv. AN SSSR. Ser. biol. no.5:774-780 S-0 '60.

(MIRA 13:9)

1. Institute of Genetics, Academy of Sciences of the U.S.S.R., Moscow.
(WHEAT) (VERNALIZATION)

FEDOROV, A.K.

Mating of winter plants at relatively high temperatures. Fisiol.
rast. 7 no.6:686-694 '60. (MIRA 14:1)

I. Genetics Institute of U.S.S.R. Academy of Sciences, Moscow.
(Photoperiodism) (Grain) (Grasses)

FEDOROV, A.K.

Reaction of plants to light conditions as an adaptive property.
Zhur. ob. biol. 21 no.5:368-376 S-O '60. (MIRA 13:9)

1. Institute of Genetics, Academy of Sciences of the U.S.S.R.
(PLANTS, EFFECT OF LIGHT ON) (WHEAT)

FEDOROV, A.K.

Vernalization of winter plants in alternating light and
temperature conditions. Fiziol. rast. 8 no.6:752-754 '61.
(MIRA 16:7)
1. Institute of Genetics, U.S.S.R. Academy of Sciences, Moscow.
(Vernalization)

FEDOROV, A.K.

Termination of the vernalization stage in perennial grasses as
related to light conditions. Trudy Inst. gen. no.28:57-59 '61.
(MIRA 14:11)

(VERNALIZATION) (GRASSES)
(PLANTS, EFFECT OF LIGHT ON)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.K.

Developmental characteristics of the F₁ generation of crosses
between winter wheat and dual-purpose wheat. Trudy Inst. gen.
no.28:83-90 '61. (MIRA 14:11)
(WHEAT BREEDING)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

FEDOROV, A.K.

Ear formation in perennial grasses under relatively high temperature.
Bot. zhur. 46 no. 5:680-683 My '61. (MIRA 14:7)

1. Institut genetiki AN SSSR, Moskva.
(Grasses) (Plants, Effect of temperature on)

FEDOROV A K.

FJODOROV, A.K. [Fedorov, A.K.]

The nature of grain suitable for autumn and spring sowing.
Rost vyruba 8 no.11/12:1363-1374 D '62.

1. Geneticky ustav Akademie ved SSSR, Moskva.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A. K.

Some data on changing the nature of winter varieties. Trudy
Inst. gen. no. 29:135-136 '62. (MIRA 16:7)

(Grain)

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CIA-RDP86-00513R000412620001-5"

FEDOROV, A.K.

Changing dual-purpose varieties into winter forms. Trudy
Inst. gen. no.29:144-148 '62. (MIRA 16:7)

(Wheat)

FEDOROV, A.K.

"Agricultural timing of sowing winter crops" [in Czech] by Jiri
Foltyn. Reviewed by A.M.Fedorov. Bot. zhur. 47 no.5:754-755 My
'62. (MIRA 16:5)

1. Institut genetiki AN SSSR, Moskva.
(Czechoslovakia--Planting time) (Czechoslovakia--Grain)

FEDOROV, Anatoliy Konstantinovich; ZHURAVLEV, B.V., red.;
ALAHYSHEVA, N.A., red.izd-va; GVIPTS, V.L., tekhn.red.

[Press butt welding of small diameter steel pipes with
high-frequency induction heating] Pressovaia stykovaia
svarka stal'nykh trub malogo diametra pri induktsionnom
nagreve tokami vysokoi chastoty. Leningrad, 1963. 23 p.
(Leningradskii dom nauchno-tehnicheskoi propagandy. Ob-
men peredovym opytom. Seriya: Svarka, rezka i paika me-
tallov, no.8) (MIRA 17:4)

FEDOROV, A.K.

Effect of different day lengths on the development of millet. Trudy
Inst. gen. no.30:129-135 '63.

Differences in the development of aftergrowth sheets in annual and
perennial gramineous plants. Trudy Inst. gen. no.30:273-277 '63.

(MIRA 17:1)

FEDOROV, A.K., kand. biolog. nauk

Symposium on the Genetics of Wheat held in Sweden. Vest.
AN SSSR 33 no.11:115 N '63. (MIRA 17:1)

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CIA-RDP86-00513R000412620001-5

FEDOROV, A. K.

"Change of Heredity in Winter Wheat."

Report presented at the 2nd International Wheat Genetics Symposium,
Lund, Sweden, 19-24 Aug 63.

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CIA-RDP86-00513R000412620001-5"

FEDOROV, A.K.

Effect of light conditions on the vernalization of vegetating
winter plants. Izv. AN SSSR. Ser. biol. 29 no.1:143-150 Ja-F'64
(MIRA 17:3)

1. Institute of Genetics, Academy of Sciences of the U.S.S.R.,
Moscow.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.E.

Development of corn in relation to the duration of daylight. Trudy
Inst. gen. no. 31:176-181 '64. (MIRA 17:9)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

FEDOROV, A.K.

Difference in shoot development between annual and perennial
Gramineae. Bot. zhur. 49 no.789'4-979 Jl '64
(MIRA 17:8)

1. Institut genetiki AN SSSR, Moskva.

D'YACHKOV, V.I., inzh.; FEDOROV, A.K., inzh.; BOGDANOV, V.N., inzh.;
TIKHOMIROV, V.I., doktor khim.nauk

Method of preventing oxidation of seams during the welding of
pipes by high-frequency currents. Svar.proizv. no.4:30-3? Ap
'64. (MIRA 18:4)

1. Nauchno-issledovatel'skiy institut tokov vysokoy chastoty im.
V.P.Vologdina.

SCITEK Ref. zh. Metallurgiya, Abs. 6E75

AUTHOR: Fedorov, A. K.; Shutov, I. A.

TITLE: The effect of low temperatures on the mechanical properties of butt welds
Card 1/2

TRANSLATION: Ur. Vses. n.-i. metalurgiya, 1954.

Abstract: Butt welding, pipe, low temperature, mechanical properties, impact bending, induction welding, weld heat treatment, annealing, annealed.

TRANSLATION: Mechanical tests of butt welds in tubes with a diameter of 38 x 3 mm made of steel 10, and 32 x 26 mm made of steel 20, welded with high frequency currents, were carried out on elongation and static bending on an IM-4A machine in a special apparatus. Impact bending tests were made on an MK-30 pendulum drop hammer. The strength, ductility, and toughness of butt joints in tubes made of steel 10 and steel 20, welded by induction heating with high frequency currents, were determined at temperatures of -196°, -150°, -100°, -50°, and +50°. The results of these tests are given in the tables. The mechanical properties of the welds are found to be dependent on the temperature of the welds. The strength and ductility of the welds increase with increasing temperature, while the toughness decreases. The results of the tests show that the mechanical properties of the welds are not significantly affected by the temperature of the welds.

L 61035-65
ACCESSION NR: AR5017429

2

currents at low temperatures, are not lower than the properties of the basic
Normalizing and hardening with high temperature tempering of the tube
joints after welding increases their strength at low temperatures.
V. Fomenko

SUB CODE: MM

ENCL: 00

Card2/2 SLP

L 14472-66 EWP(m)/EWP(w)/EWP(v)/T/EWP(t)/EWP(k)/EWP(d) JD/HM

ACC NR: AR5027746

SOURCE CODE: UR/0137/65/000/008/E013/E013

AUTHOR: Fedorov, A.K.; Smirnov, V.I.

ORG: none

TITLE: Fatigue strength of steel pipe joints welded by induction heat

SOURCE: Ref. zh. Metallurgiya, Abs. 8284

REF SOURCE: Tr. Vses. n.-i. in-ta tokov vysokoy chastoty, vyp. 5, 1964, 38-42

TOPIC TAGS: steel, pipe, weld heat treatment, fatigue strength

TRANSLATION: A method was developed for butt welding pipe by induction heat, which gives a welded joint without an inside burr. The contact surfaces of the pipe to be joined were evenly heated to a plastic state (temperature $\sim 1250\text{--}1280^\circ\text{C}$); this process was followed by the application of pressure resulting in a weld. Tests were made on welded steel-10 pipe of 38/32 mm diameter with changeable bending on an IS-2 machine. A conclusion was reached that joining steel-10 pipe by induction heat welding assures sufficient strength under changeable bending conditions. The presence of an outside reinforcement of the seam joint decreases the fatigue strength of the weld. Heat treatment (normalization) does not affect the increase in the strength of a welded joint with a changeable bending. V. Fomenko.

SUB CODE: 11.13

Card 1/1

UDC: 621.791.001:539.4.629.9-462

SHIVRINA, Antonina Nikolayevna; FEDOROV, Al.A., otv. red.

[Biologically active substances of higher fungi] Biologicheski aktivnye veshchestva vysshikh gribov. Moskva, Nauka, 1965. 197 p. (MIRA 18:3)

1. Chlen-korrespondent AN SSSR (for Fedorov).

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

ZOLOTMITSKAYA, Sofiya Yakovlevna; FEDOROV, Al. A., otv. red.

[Medicinal resources of Armenia's flora] Lekarstven-
nye resursy flory Armenii. Erevan, Izd-vo Akad. nauk
Armianskoi SSR. Vol.2. 1965. 370 p. (MIRA 19:1)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

FEDOROV, Al. A.

International program of research on the productivity of
terrestrial communities. Rast. res. 1 no. 4:608 '65
(MIRA 19:1)

1. Predsedatel' Nauchnogo Soveta po probleme "Biologicheskiye
osnovy ratsional'nogo ispol'zovaniya, preobrazovaniya i okhrany
rastitel'nogo mira", chlen-korrespondent AN SSSR.

fedorov / *7*
FEDOROV, A.M.

Soil cultivation for spring grains following row crops. Zemledelie
5 no.8:41-42 Ag '57. (MLRA 10:9)

1. Voronezhskiy sel'skokhozyaistvennyy institut.
(Tillage) (Grain)

USSR/Farm Animals. General Problems

Q-1

Abs Jour : Ref Zhur - Biol., No 8, 1958, № 35584

Author : Fedorov A.M.

Inst : Not Given

Title : Farming in Denmark (Travolor's Notes) (Sol'skoye khozyaystvo
Danii (Futovyye zemotki))

Orig Pub : Sovkhoz. priz-vo, 1957, No 6, 73-76; See RZhBiol., 1957,
92882.

Abstract : No abstract

Card : 1/1

FEDOROV, A.M., gornyy inzh.; YATSENKO, V.D., gornyy inzh.

Selecting the most economical way of rock hauling during vertical
shaft sinking. Ugol' Ukr. 2 no.12:34-39 D '58. (MIRA 12:1)
(Shaft sinking) (Mine haulage—Costs)

FEDOROV, A.M.

BEREZOV, Ye. L., predsedatel' obshchestva; KOZHEVNIKOV, A.I.,
zamestitel' predsedatelya; FEDOROV, A.M., otvetstvennyy redaktor

On the 25th anniversary of the Gorkiy Surgical Society. E.L.
Berezov, A.I. Kozhevnikov, A.M. Fedorov. Khirurgiya, 33
no.1,139-141 Ja '57 (MIRA 10:4)

1. Gor'kovskoye khirurgicheskoye obshchestvo.
(GORKIY--SURGERY--SOCIETIES)

BEREZOV, Ye.L.; KOZHEVNIKOV, A.I.; KOROLEV, B.A.; FEDOROV, A.M.

Activity of the Gor'kiy Surgical Society. Zdrav.Ros.Feder. 2 no.
6:45-57 Je '58. (MIRA 11:5)

1. Predsedatel' Gor'kovskogo khirurgicheskogo obshchestva (for Berezov).
2. Zamestitel' predsedatelya Gor'kovskogo khirurgicheskogo obshchestva
(for Koshevnikov, Korolev). 3. Otvetstvennyy sekretar' Gor'kovskogo
khirurgicheskogo obshchestva (for Fedorov).
(GORKIY--SURGERY--SOCIETIES)

BLOKHIN, V.N.; GRIGOR'YEV, M.G.; KOZHEVNIKOV, A.I.; KOROLEV, B.A.; MATYUSHIN,
I.F.; PARIN, B.V.; TSIMKHE, I.L.; KALININA, G.V.; PEDOROV, A.M.;
KOLOKOL'TSEV, M.V.; SOKOLOV, V.V.; PRILUCHNAYA, O.A.; SHUMILKINA,
Ye.I.; ABRAMOV, Yu.G.; RYURIKOV, A.Kh.; IKONNIKOV, P.I.; VOZNESENSKIY,
I.Ya.; TEPLOV, S.V.; MIZINOV, N.N.; KUKOSH, V.I.

V.M.Durmashkin; obituary. Ortop., travm. i protex. 21 no.8:81 Ag
'60. (MIRA 13:11)

(DURMASHKIN, VIKTOR MARKOVICH, d. 1960)

KUROCHKIN, G.D.; FEDOROV, A.M.

Massifs of mineralized serpentinites and pyroxenites in spurs of
the Manskoye Belogor'ye in the Eastern Sayans. Izv. AN SSSR
Ser. geol. 26 no. 12:97-102 D '61. (MIRA 14:12)

1. Sovet po izucheniyu proizvoditel'nykh sil AN SSSR, Moskva.
(Sayan Mountains--Serpentinites)
(Sayan Mountains--Pyroxenite)

GOLUBOV, S.V., inzh.; FEDOROV, A.M., inzh.

Mechanization of mining operations. Shakht stroi. 4 no.7:
1-6 Jl '60. (MIRA 13:7)

1. Zamestitel' predsedatelya Stalinskogo sovnarkhoza (for
Golubov). 2. Glavnnyy inzhener kombinata Stalinshakhtstroy
(for Fedorov).
(Mining machinery)

FEDOROV, A.M.

Rapid mining during mine development operations. Ugol' 35
no.6:38-41 Je '60. (MIRA 13:7)

1. Glavnnyy inzhener kombinata Stalinshakhtstroy.
(Donets Basin--Coal mines and mining)

FEDOROV, A.M., inzh.

Calculating the ventilation parameters in cases of the utilization
of partial ventilation fans. Shakht.stroi. 5 no.12:7-10 D '61.
(MIRA 14:12)

1. Kombinat Donetskshakhtostroy.
(Mine ventilation)

OSTROVSKIY, I.I., red.; FEDOROV, A.M., red.; BERLIN, A.Ye., red.
IFTINKA, G.A., red. Izd-va; RUDIONOVA, V.M., tekhn. red.

[Construction specifications and regulations] Stroitel'-nye normy i pravila. Moskva, Gosstroizdat. Pt.2. Sec.M.
ch.4. [Underground workings of enterprises for mining
minerals; norms for planning] Podzemnye gornye vyrabotki
predpriatii po dobyche poleznykh iskopaemykh; normy pro-
ektirovaniia (SNiP II-M. 4-62). 1963. 51 p.

(MIRA 16:10)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva SSSR (for Ostrovskiy). Mezhdvudomstvennaya komissiya po peresmotru stroitel'nykh norm i pravil pri Akademii stroitel'stva i arkhitektury SSSR (for Fedorov).
3. Vsesoyuznyy tsentral'nyy gosudarstvennyy institut po proyektirovaniyu i tekhniko-ekonomiceskim obosnovaniyam razvitiya ugol'noy promyshlennosti (for Berlin).

(Mining engineering)

NEBOL'SIN, I.M., kand.sel'skokhoz. nauki. FEDOROV, A.M.

Operating cultivators at increased speeds. Zemledelie 23
no.6:76-77 Je '61. (MIRA 14:6)

1. Voronezhskiy sel'skokhozyaystvennyy institut.
(Cultivators)

OSTROVSKIY, I.I., inzh., red.; FEDOROV, A.M., inzh., red.;
BESSMERTNYY, A.S., inzh., red.

[Construction specifications and regulations] Stroitel'nye
normy i pravila. Moskva, Gosstroizdat. Pt.3. Sec.B. Ch.9.
[Mining engineering by mining enterprises; regulations
concerning the carrying out of work and the acceptance of
completed work] Podzemnye gornye vyrabotki predpriatii po
dobyche poleznykh iskopaemykh; pravila proizvodstva i pri-
emki rabot (SNiP III-B.9-62). 1963. 30 p. (MIRA 17:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Gosstroy SSSR (for Ostrovskiy). 3. Mekhve-
domstvennaya komissiya po peresmotru Stroitel'nykh norm i pra-
vил (for Fedorov). 4. Vsesoyuznyy nauchno-issledovatel'skiy
institut organizatsii i mekhanizatsii shakhtnogo stroitel'stva
(for Bessmertnyy).

FEDOROV, A.M.

WAGE I BOO1 EPILOUTION 304/2215

U.S. Patent Office. Referat nauchno-issledovatel'skikh rabot: sbornik No. 2 (Scientific Research Abstracts; Collection of articles, part 2) Moscow,

Additional Sponsoring Agency: USSR. Komitet standartov, Mer 2. Standardgiz, 1958. 139 p. 1,000 copies printed.

Na. : S. V. Rastogi; Tech. Ed. : M. A. Kondratenko.
PURPOSE : These reports are intended for scientific, research, and
and engineers engaged in developing standards, measures, and
measuring instruments.

Coverback: The volume contains 128 reports on standards of measure-
ments for the various industries.

The Report was presented to the Institutes of the Kom-Sat Standardization and Control. The Report was accepted by the Kom-Sat Standardization and Control, and the Priborov Pri-Sovet Ministrur SSSR (Commission of Measures, and Measuring Instruments under the USSR Council of Ministers). The Participating Institutes were: VNIIM - Vsesoyuznyy nauchno-issledovatel'skiy inst. sredstv Mendeleyeva (All-Union Scientific Research Institute of Metrology) Izhevsk; NII-Metodika (All-Union Scientific Research Institute of Metrology) Izhevsk; NII-Metodika (All-Union Scientific Research Institute of Metrology) Leningrad; NII-Metodika (All-Union Scientific Research Institute of Metrology) Moscow.

of this Institute, VNIIM - Veterinary instrument making, VNIIF - Institute of Kondensator, ser. 1. Institute - VNIIP - Institute of All-Union Scientific Research Institute of the Commission on Standardization, Measures, and Measuring Instruments (Instruments), created from VNIIMP - Moscow University Polytechnic Institute Institute No. 1, Leningrad Branch of VNIIP - Institute of Measures and Measuring Instruments (Instruments) October 1, 1955. VNIIPMI - Veterinary instrument making, VNIIF - Institute of All-Union Scientific Research Institute of Polytechnic, Chemical, and Radio-engineering Research Institute in Moscow; VNIIP - Kharkov State Institute of Measurements in Kharkov; VNIIP - Institute of Veterinary Instrument Making in Leningrad.

Institut für Meß- und Regulierungs-Instrumente und Meßtechnik - Prof. Dr.-Ing. Dipl.-Ing. B. Priborowitsch
Föderalnyj Gospodarsko-tekhnicheskiy Institut po Mekhanike i Mekhanicheskym Sistemam
Sovetskij Stol'nyj Institut po Mekhanike i Mekhanicheskym Sistemam. There are no references.

Guidelines. R.J. (Sverdlovsk Branch of VINITI). Determining the
ment(s). No personalities are mentioned. 115

Composition of Spectral Reference Samples
Requirements in Radio Engineering (Radioelectronics)
Candidate of Technical Sciences
Rabinovich, B.Ye., Editor.

Staryakovs, O. V. (VNIIM). Studying the Sources of Error in the Resonance Method of Measuring Dielectric Permeability and Tangent Dielectric Losses.

Rabinovich, B. Ye. and A.M. Fedotov. (VINITI). Developing and
Testing Vacuum-Tube Voltmeter. *Vestn. Vsesoyuzn. Nauchno-tekhnicheskikh Vysokochastotnykh issled.* No. 1, p. 10, 1955.

standard units).
standard
units.

Single Instruments
Card 24/27

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.M.
RABINOVICH, B.Ye.; FEDOROV, A.M.

Standard diode compensation voltmeters. Izm.tekh. no.2:74-78
Mr-Ap '58. (MIRA 11:3)
(Electron-tube voltmeter)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

AUTHOR: Fedorov, A.M.

SOV/115-58-6-30/43

TITLE: The Influence of the Curve Shape of Measured Voltages
on the Readings of Diode Peak Voltmeters (Vliyaniye formy
krivoy izmeryayemogo napryazheniya na pokazaniya diodnykh
pikovykh vol'tmetrov)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 6, pp 74-77 (USSR)

ABSTRACT: The error in measuring voltages by means of diode voltmeters using the distortion of the curves may be many times higher at high frequencies than at low frequencies. If the voltage measured is near to that determined by the equation $f = \frac{f_p}{n}$, an additional resonance error may be observed due to the presence of a harmonic curve in the measured voltage. For the exact calculation of this error, quantitative and phase values of the harmonic curves in the measured signal are needed. It is necessary to select a frequency which is not near to that determined in the formula. For determining the curve of the resonance error, the curve of the voltage of the auxiliary generator should be exactly known. Diode tube voltmeters in standard signal generators in frequencies

Card 1/2

SOV/115-58-6-30/43

The Influence of the Curve Shape of Measured Voltages on the Readings of Diode Peak Voltmeters

where resonance errors are observed may give errors which exceed many times the coefficient of non-linear distortions. This should be considered in the development of new standard signal generators.

There are 5 graphs.

Card 2/2

FEDOROV, A. A.

Н. В. Гришко
Методы измерения по изучению взаимного под-
ражания излучающих магнитов в форме бутана.

В. А. Федоров
О измерении излучения субатомных радио-
активных частиц полупроводниками.

Е. В. Халатов
Измерение излучения облученных решеток па-
тентованной структуры.

А. С. Лобин
Определение частоты полупроводникового генератора ис-
пользуя службу времени.

Г. А. Багдасаров
Исследование стабильности излучающего генера-
тора на полупроводниковых транзисторах.

9 часов
(с 18 до 22 часов)

А. Г. Некрасов
Новые разработки в проблеме облучения про-
цессоров.

26

В. П. Задорин
Прибор для измерения тока за частоты до
500 МГц

А. Н. Федоров
В. С. Рудницкий
Экспериментальное определение излучающими
магнитами излучения частоты в диапазоне час-
тот до 1000 МГц.

В. Н. Абрам
Измерение излучения полупроводникового генера-
тора с помощью радиолокации вынужденной.

Н. В. Гришко
Измерение излучения магнитных магнитов.

Н. Г. Карлов
Устройство для калибровки генератора РСС по ин-
тенсивности излучения в диапазоне частот от 0,1 до
1000 МГц.

10 часов
(с 10 до 16 часов)

Report submitted for the Centennial Meeting of the Scientific Technological Society of
Radio Engineering and Electrical Communications Dr. A. S. Popov (VTSRUS), Moscow,
8-19 June, 1957

3002

9.2200

83647

S/058/60/000/008/004/009

A005/A001

Translation from: Referativnyy zhurnal, Fizika, 1960, No. 8, p. 240, # 20529

AUTHORS: Fedorov, A.M., Rabinovich, B.Ye.

TITLE: Method of Experimental Determining the Frequency Dependence of the Indications of a Compensated Standard Voltmeter for Frequencies up to 1,000 Mc and Low Voltages

PERIODICAL: Tr. Vses. m.-i. in-ta metrol., 1959, No. 40 (100), pp. 27-33

TEXT: The influence of the resonance and drift errors is studied on the indications of a compensated standard voltmeter of the OKB-2 (OKV-2) type. The error determination was carried out by the method of comparing the indications of the investigated voltmeter with the indications of a thermistor voltmeter; for this purpose, a special diode-thermistor head was developed having the thermistor in a bulb. The thermistor was switched into the БНИИМ (VNIIM) - thermistor bridge circuit. Some diodes of the 2Д1((2Д19)-type with different distances between the electrodes were subjected to the test. It turned out that the shift error theory is inapplicable to voltages $\leq 11\text{v}$ because it does not take

Card 1/2

X

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S/058/60/000/008/004/009
A005/A001

Method of Experimental Determining the Frequency Dependence of the Indications
of a Compensated Standard Voltmeter for Frequencies up to 1,000 Mc and Low
Voltages

into account the initial electron speeds. It is found that the error in measurement
is not greater than $\pm 5\%$ at the Mc frequency.

1000
Mc

A.Sh.

Translator's note: This is the full translation of the original Russian
abstract.

UX

Card 2/2

FEDOROV, A. M., CAND TECH SCI, "DEVELOPMENT AND ~~RESEARCH~~
^{study} OF METHODS AND ~~APPARATUS~~
OF VOLTAGES ^{at} FREQUENCIES UP TO 1,000 ^{cycles} MEGAHERTZ." LENINGRAD,
1960. (MIN OF HIGHER AND SEC SPEC ED RSFSR. LENINGRAD INST
OF PRECISION MECHANICS AND OPTICS). (KL, 2-61, 212).

-191-

69184

28(3) 9.6000

S/115/60/000/03/015/031
D002/D002

AUTHOR: Fedorov, A.M., Rabinovich, B.Ye.

TITLE: Investigation of a Thermistor Voltmeter at High Frequencies

PERIODICAL: Izmeritel'naya tekhnika, 1960, Nr 3, pp 31-33 (USSR)

ABSTRACT: A method of determining the dependence of the indications of a standard compensation voltmeter from the frequency in the voltage range of 0.1 to 1 volt, was treated by the authors in a previous work [Ref 1]. A thermistor voltmeter of the balanced-bridge system [Ref 2] was employed for comparing the voltage readings. In the present article, the equivalent circuit of the thermistor is analyzed and a method of determining the parameters of this circuit is explained. The thermo-sensitive element in the circuit is a "TSh-2B" thermistor. The skin effect is taken into account

Card 1/2

69B4

S/115/60/000/03/015/031
D002/D002

Investigation of a Thermistor Voltmeter at High Frequencies

in the equivalent circuit (Figure 1). There are 3
diagrams, 1 graph, 1 table and 3 Soviet references.

Card 2/2

4

86344

S/146/60/003/005/004/017
B019/B054

7.6000 (1024,1067,1099)

AUTHOR: Fedorov, A. M.

TITLE: Resonance Error of Diode Voltmeters, and Nomogram for Its Calculation

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye, 1960, Vol. 3, No. 5, pp. 29-33

TEXT: The author gives formulas for calculating the resonance error and the resonant frequencies f_p of industrial diode voltmeters. The following formula is given for calculating the resonance error of the voltmeter types BKC-7B (VKS-7B), BLY-2 (VLU-2), and BLY-2M (VLU-2M), which have a low-frequency measuring head:

$$\theta'_{op} = + \frac{(f/f_p)^2}{1 - (f/f_p)^2} 100\% \quad (1).$$

The formula $\theta''_{op} = + \frac{1 - \cos \frac{\pi}{2} f/f_p}{\cos \frac{\pi}{2} f/f_p} 100\%$ (2) is given for the
Card 1/4

Resonance Error of Diode Voltmeters, and
Nomogram for Its Calculation

8634
S/146/60/003/005/004/017
B019/B054

resonance error of the voltmeter type OKB-2 (OKV-2), and the formula

$$\theta'''_{op} = \frac{\theta'_{op} + \theta''_{op}}{2} \approx 1.1 \theta''_{op} \quad (4) \text{ for the types ВЛУ-1 (VOLU-1), ВЛУ-2}$$

(VLU-2), and ВЛУ-2M (VLU-2M). f is the frequency at which the resonance error is measured. The resonant frequencies of the above-mentioned diode voltmeters are indicated, and a nomogram is plotted which much facilitates the determination of resonance errors. Legend to the diagram: f is the frequency of the voltage to be measured, f_p the resonant frequency of the voltmeter, θ'_{op} and θ''_{op} are defined by formulas (1) and (2). The publication of this article was recommended by the Kafedra radiotekhniki LITMO (Chair of Radio Engineering of the LITMO). There are 1 figure, 1 table, and 4 Soviet references.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii
im. D. I. Mendeleyeva (All-Union Scientific Research Institute
of Metrology imeni D. I. Mendeleyev)

SUBMITTED: May 24, 1960
Card 2/4

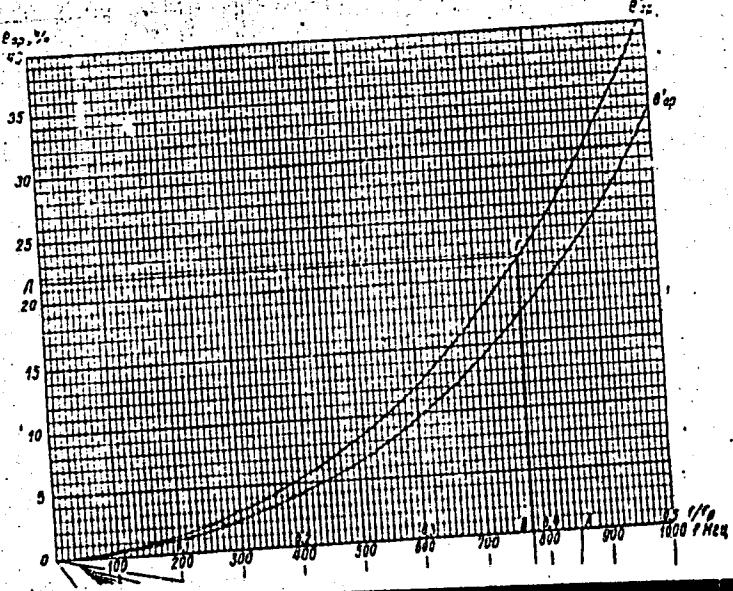
"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

REF ID: A6513

86344

S/146/60/003/005/004/017
B019/B054



Card 3/4

APPROVED FOR RELEASE: 03/20/2001

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"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

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S/146/60/003/005/C04/017
B019/B054

$r_p = 20501424$
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3500

Фиг. 1
Fig. 1

Card 4/4

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.M.

Methods and equipment for the determination of deflection errors
of a diode voltmeter. Izm. tekhn. no. 1:47-48 Ja '61. (MIRA 14;1)
(Voltmeter--Testing)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

3213

9,2563 (1040, 1159, 1147)

S/108/61/016/012/007/009
D201/D302

AUTHORS: Fedorov, A.M., and Kotov, V.S., Members of the Society
(see Association)

TITLE: A wide range single quartz-crystal generator

PERIODICAL: Radiotekhnika, v. 16, no. 12, 1961, 49-57

TEXT: The authors describe a video-pulse generator having a very stable and wide range of pulse repetition frequencies. The generator consists of a crystal-stabilized master generator, and of a system of binary frequency dividers, driven by pulses obtained by shaping the sine-wave of the master oscillator. By varying the overall dividing factor of the system (in general not necessarily a whole number), a discrete grid is obtained of frequencies, with interval overlapped by the quartz crystal frequency shifts. The disadvantage of the generator is that pulses at its output are shifted in time with respect to their average position. The magnitude of this shift, as related to the period, may be made small and in the L.F. range reduced to zero. The principle of operation

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JJ213

S/108/61/016/012/007/009

D201/D302

A wide range ...

consists in the number of pulses per unit time being formed by addition or subtraction of pulse sequences, e.g. according to the formula $D = A - (B+C)$. The bloc diagram of the generator is given on Fig. 2. The arrangement consists of a quartz master-oscillator QMO, the frequency of which f_q may be slightly varied by shifting the quartz frequency by

Δf_q . The pulse forming network PF shapes the sinusoidal output voltage of the QMO, having a frequency $f_o = f_q + \Delta f_q$, into rectangular pulses transmitted through the "NOT" circuit when there are no corresponding pulses at its second input. The "NOT" circuit is thus an arrangement, whereby a certain sequence of pulses $f' = f'_2 + f'_3 + \dots + f'_s$ is read from a

sequence with frequency f_o . The frequency of pulse sequence (after the "NOT" circuit ($f'_o = f_o \cdot f'$)) is divided by the divider D_1 which has a variable dividing factor K_1 and forms thus a discrete number of frequencies f_1 . f_1) has its intervals further reduced by a combination

Card 2/5

31213

S/108/61/016/012/007/009

D201/D302

A wide range ...

of dividers D_2, D_3, \dots, D_s and the pulse sequences thus obtained at frequencies f'_2, f'_3, \dots, f'_s are added in an "OR" circuit and applied to the "NOT" circuit, in which they are detected out of the pulse sequence with frequency f'_0 . Thus the frequency range f'_1 is covered by intervals Z_1 owing to the varying K_1 , each of Z_1 is covered by intervals Z_2 owing to varying K_2 and so on. The system of dividers D_1, D_2, \dots, D_s is designed in such a way that the greatest frequency interval, formed as a result of changing K_s , be covered continuously by the small frequency shift of the quartz. The pulses are shifted by Δt with respect to their mean position owing to the fact that their regular sequence is disturbed as a result of addition. This shift is given as Eq. (17)

$$\Delta t = \left| \frac{b' L_1}{2^s} \right| t_0 \quad \text{where } b' \text{ is the number of pulses excluded during}$$

time T_N from the start until the instant when Δt for a given pulse is determined; b is the number of pulses excluded during time T_N ; $L_1 =$

Card 3/65

31213

S/108/61/016/012/007/009

D201/D302

A wide range ...

ASSOCIATION: Nauchno-tehnicheskoye obshchestvo radiotekhniki i elektronsvyazi im. A.S. Popova (Scientific and Technical Society of Radio Engineering and Electrical Communications im. A.S. Popov) [Abstracter's note: Name of Association taken from first page of journal]

SUBMITTED: February 24, 1961 (initially)
April 15, 1961 (after revision)

4

Card 5/6
5

31213

S/108/61/016/012/007/009

D201/D302

A wide range ...

number of periods of f_1 from the beginning of T_N , p - total number of triggers; N - number of periods t_c of frequency f_c during T_N . In general

$\Delta t < t_c$, so that if e.g. $f_c = 200$ kc/s $f_1 = 1$ kc/s, then $\frac{\Delta t}{t_1} < 0.005$

< 0.005 and is rather small. The method was experimentally tried with an arrangement having 3 frequency dividers and frequency range 21-11,375 c/s. The frequency of the transistorized master oscillator could be continuously varied over 54 c/s from the nominal frequency of 91 kc/s. Each divider had 4 triggered circuits. Divider D_1 had K_1 varied in steps from 8 to 16; coefficients K_2 and K_3 (dividers D_2 and D_3) were varied as follows: ∞ , $\frac{16}{1}$, $\frac{16}{2}$, $\frac{16}{3}$, ..., $\frac{16}{15}$. No shift of pulses was observed between 21-44 c/s; at other frequencies it did not exceed 11 microseconds. There are 7 figures and 6 Soviet-bloc references.

Card 4/5

FEDOROV, A.M.; RABINOVICH, B.Ye.

Experimental determination of the frequency errors of diode voltmeters
in a frequency range up to 1,000 mc. Trudy inst. Kom. stand., mer
i izm. prib. no.65:26-32 '62. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
Mendeleyeva.
(Microwave measurements) (Radio measurements)

FEDOROV, A.M.

Study of a method for determining the frequency errors of diode
voltmeters at frequencies up to 3000 mc. Trudy inst. Kom. stand.,
mer i izm. prib. no.70:5-16 '63. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D.I.Mendeleyeva.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.M.; YAKOVLEVA, N.F.

Frequency errors of compensating diode voltmeters. Izm. tekhn.
(MIRA 18;9)
no. 8;35-37 Ag '65.

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.M., kand.tekhn.nauk

Calculating the quantity of air flowing through workings devided
by a longitudinal partition. Shakht.stroi. 9 no.4:13-15 Ap '65.
(MIRA 18:5)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.M., kand.tekhn.nauk; SAKHAROVSKIY, I.A., inzh.

Vertical shaft sinking techniques in the Republic of
South Africa. Shakht.stroi. 9 no.11:26-29 N '65.
(MIRA 19:1)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

ANDREYEV, V.Ye.; SHISHOV, Ye.L., retsenzent; VOSHCHENCHUK, A.F.,
retsenzent; FEDOROV, A.M., ovtv. red.

[Sinking vertical piles with simultaneous erection of
tower pile drivers] Prokhodka vertikal'nykh stvolov s
odnovremennym sooruzheniem bashennykh koprov. Moskva,
(MIRA 17:12)
Nedra, 1964. 60 p.

FEDOROV, A.M., kand. tekhn. nauk; IVANOV, A.M., inzh.; LYUL'KO, Ye.V.,
inzh.; UMANSKIY, P.Ya., inzh.

Simplify and put in good order the bookkeeping and settle-
ment of general expenses in mining. Shakht. stroi. 9 no.9:6-8
(MIRA 18:9)
S '65.

1. Gosudarstvennyy komitet po toplivnoy promyshlennosti
pri Gosplane SSSR (for Fedorov). 2. Gosudarstvennyy institut
po proyektirovaniyu shakht v yuzhnykh rayonakh SSSR (for Ivanov,
Lyul'ko, Umanskiy).

FEDOROV, A. N.

Anatomy, Pathological, Physicians

Sch

Significance of Pirogov's works in the development of pathologic anatomy; 140th anniversary
of Pirogov's birth. Arkhiv pat., 13, No. 6, 1951. (Moskva).
Iz kafedry patologicheskoy anatomii (zav.-adad. A. I. Abrikosov) i Moskovskogo ordena
Lenina meditsinskogo instituta

rcd. 9 April 1951.

SO: Monthly List of Russian Accessions, Library of Congress, April ² 1950, Uncl.

FEDOROV, A.N. [Fedorov, O.M.]

Study of the pyrophosphatase activity in various segments of the nervous system of the rabbit. Ukr. biokhim. zhur. 35 no.4: 520-527 '63. (MIRA 17:11)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiyev.

FEDOROV, A.N. [Fedorov, O.M.]; PALLADIN, A.V.

Distribution of pyrophosphatases in subcellular fractions of various segments of the nervous system of rabbits. Ukr. biokhim. zhur. 35 no.5:690-699 '63. (MIRA 17:5)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.

SOV/91-59-7-5/21

8(6), 11(7)

AUTHOR: Fedorov, A.N., Engineer, Filippenko, A.A.
TITLE: Improving the Work of Boilers Using Sulfurous Mazut
PERIODICAL: Energetik, 1959, Nr 7 pp 11-12 (USSR)
ABSTRACT: The authors describe two single-drum boilers TSKTI 50-39-FM producing 50 tons of steam per hour, which were installed at an unidentified thermal power plant in 1952. Mazut of types 20 and 40 containing up to 5% sulfur was used as fuel. They further describe, the deficiencies observed during the operation of the boilers. The air heater had to be cleaned after 600-720 hours of operation due to excessive soot precipitation. The refractory bricks in the stoker were insufficiently cooled, requiring relining of the stoker after 1-2 years. The authors of this article suggested air ducts on the floor of the stoker as shown in two diagrams. The air passing thru these ducts is heated to 500 - 600 °C and enters the blower intake

Card 1/2

Card 2/2

SOV/91-59-7-5/21

Improving the Work of Boilers Using Sulfurous Mazut
where it is mixed with cold air. A slide valve is
used for controlling the air flow. This modification
enabled the operation of the boilers for 2,000 to
2,300 hours without removing accumulated soot.
There are 2 diagrams

Card 2/2

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.N.

Dictionary of petroleum geology Moskva, Gos nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1952. (53-18315)

TN865.S55

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

FEDOROV, A.N. [deceased]; UL'YANOV, A.V. [deceased]; TEODOROVICH, G.I.;
USPENSKIY, V.A.; RADCHENKO, O.A.; YUDINSKIY, V.V.; MAKSIMOV, M.I.;
SUBBOTINA, N.N.; STEPANOV, D.L.; MIRCHINK, Mikhail Fedorovich,
red.; IONINA, I.N., vedushchiy red.; YASHCHURZHINSKAYA, A.B.,
tekhn. red.

[Dictionary of petroleum geology] Slovar' po geologii nefti. Izd.2.,
ispr. i dop. Leningrad, Gos. nauchno-tekhn. izd-vo neft i gorno-
toplivnoi lit-ry, Leningr. otd-nie, 1958. 776 p. (MIRA 11:10)

1. Galen-korrespondent Akademii nauk SSSR (for Mirchink).
(Petroleum geology--Dictionaries)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A. N.

"New Data on the Tectonics of the Leningrad Province," Dok. AN, 51, No. 6, 1946

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5"

Fedorov, A.N.

VORONTSOV, A.G., red.; ZHEMELEV, L.F., red.; PANTELEYEVA, P.G., red.;
SMIRNOV, V.I., red.; BELOZEROV, K.S., red.; TETERINA, Ye.G., red.;
FEDOROV, A.N., red.; KHAR'KOVA, Ye.I., red.; SHUTOVA, O.I., red.;
VORONSOVA, Z.Z., tekhn.red.

[Economy of the Udmurt A.S.S.R.; a statistical manual] Narodnoe
khoziaistvo Udmurskoi ASSR; statisticheskiy sbornik. Izhevsk,
(MIRA 11:3)
1957. 135 p.

1. Udmurt A.S.S.R. Statisticheskoye upravleniye. 2. Nachal'nik.
Statisticheskogo Upravleniya Udmurskoy ASSR (for Vorontsov)
(Udmurt A.S.S.R.--Statistics)

MASLYANSKIY G.N.; BURSIAN, I.R.; MEL'NIKOVA, N.P.; PODOL'SKIY, M.A.;
~~FEDOROV, A.P.~~; Prinimali uchastiyu: NOVOZHILOVA, T.S.; DAVYDOVA,
Z.A.; VOLNUKHINA, N.K.

Long service life of a platinum catalyst. Khim.i tekhnopl.i
(MIRA 15:1)
nauk 7 no.2:5-7 F '62.

1. Krasnodarskiy filial Vsesoyuznogo nefte-gazovogo nauchno-
issledovatel'skogo instituta i Vsesoyuznyy nauchno-issledovatel'skiy
institut neftekhimicheskikh protsessov.
(Platinum) (Cracking process)

SMORODINOV, M.I., kand. tekhn. nauk; ZHAYEV, M.I., inzh.;
FEDOROV, A.N., inzh.

Some problems of the design of machines for cutting frozen
ground, and research objectives. Stroi. i dor. mash. 7 no.4:
14-15 Ap '62.
(MIRA 16:7)

(Frozen ground) (Earthmoving machinery)

IVANOV, Yu.M., doktor tekhn. nauk; MAZUR, F.F., nauchn. sotr.;
POL'SHIN, D.Ye., kand. tekhn. nauk; FEDOROV, A.N.,
nauchn. sotr.; SEREBRENNIKOV, L.S., nauchn. sotr.;
SMORODINOV, M.I., kand. tekhn. nauk; DROZD, T.A., red.
izd-va; MOCHALINA, Z.S., tekhn. red.

[Instructions on work involving the handling of radioactive substances in research establishments of the State Committee on Construction of the Council of Ministers of the U.S.S.R.] Instruktsiya po rabote s radioaktivnymi veshchestvami v nauchno-issledovatel'skikh uchrezhdeniakh Gosstroia SSSR. Moskva, Gosstroizdat, 1963. 105 p.
(MIRA 17:2)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy.
2. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy, Moscow (for Mazur).
3. Nauchno-issledovatel'skiy institut osnovaniy i podzemnykh sooruzheniy (for Fedorov, Smorodinov).
4. Nauchno-issledovatel'skiy institut stroitel'noy fiziki i ogranzhdayushchikh konstruktsiy (for Serebrennikov).

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CIA-RDP86-00513R000412620001-5

GARBUZOV, Z.Ye., inzhener; SHLIKEYZEN, S.R., inzhener; FEDOROV, A.P., inzhener.

Excavator for the digging of small rectangular ditches. Mekh.stroi. 10 no.
6:10-11 Je '53. (MLRA 6:6)
(Excavating machinery)

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CIA-RDP86-00513R000412620001-5"

FEDOROV, A.P.

GARBUZOV, Z.Ye., inzhener; MEDOKUCHAYEV, B.N., inzhener; MESH, P.P., inzhener
FEDOROV, A.P., inzhener; KHOLOPOTOV, N.N., inzhener; SHLIMYZIN, S.R.,
~~inzhener~~

The E-153 excavator with hydraulic transmission mounted on the
"Belarus" tractor. Mekh. stroi. 12 no.6:5-9 Je '55.
(Excavating machinery) (MLRA 8:6)

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000412620001-5

FEDOROV, A.P., inzh.; AVER'YANOV, L.I., inzh.; KHLOPOTOV, N.N., inzh.

Modernizing the E-302 excavators. Stroi. i dor. mashinostr. 3
no. 7:3-6 J1 '58. (MIRA 11:8)
(Excavating machinery)

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CIA-RDP86-00513R000412620001-5"

FEDOROV, A.P.; AVER'YANOV, L.I.; KHOLOPOTOV, N.N.; ANDRYUSHIN, A.K.

Steering gears of single-engine rubber-tired excavators and
cranes. Stroi. i dor.mashinostr. 4 no.2:3-5 F '59.
(MIRA 12:2)
(Excavating machinery) (Cranes, derricks, etc.)

FEDEKROV, A.P., inzh.; KHLOPOTOV, N.N., inzh.; AVER'YANOV, L.I., inzh.

New excavators with a 0.15m³-capacity bucket. Stroi.i dor.
mashinostr. 4 no.10:6-8 0 '59. (MIRA 13:2)
(Excavating machinery)

AVER'YANOV, L.I., inzh.; BULANOV, A.A., inzh.; FEDOROV, A.P., inzh.;
KHOLOPOTOV, N.N., inzh.

All-purpose excavator mounted on a self-propelled chassis. Stroi.
i dor.mashinostr. 5 no.7:3-5 Jl '60. (MIRA 13:7)
(Excavating machinery)

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CIA-RDP86-00513R000412620001-5

ORECHKIN, D.B.; POPOVA, N.V.; FEDOROV, A.P.; SHEPOT'KO, O.F.; SHMUYLOVICH,
M.M.

Oxidation of paraffins in pilot plant units. Khim.i tekhn. i
masel 5 no.7:16-18 Jl '60. (MIRA 13:7)
(Paraffins) (Oxidation)

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CIA-RDP86-00513R000412620001-5"

44968

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D234/D3C8

44968

AUTHOR: Fedorov, A.P.

TITLE: Determination of dynamic properties of transparent materials

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 86,
abstract 1V668 (Stroit. mekhan. i raschet sooruzh.,
1962, no. 3, 33-37)

TEXT: Dynamic properties of optically active materials were studied on rods in longitudinal collisions with a metallic striker. The loading device made it possible to vary the amplitude and wavelength. Longitudinal and transversal deformations were measured by wire tensometers. For optical measurements, the specimen was illuminated by a parallel beam of monochromatic polarized light on whose path a narrow slot was placed perpendicular to the specimen. Variation of light intensity behind the analyzer was measured by a pulse photometer. The method of measurement made it possible to fix small differences. In analyzing the results the author used the

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Determination of dynamic ...

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D234/D308

basic relation of photoelasticity, Hooke's law and the approximate theory of wave propagation in thin rods. By the above method he investigated the dynamic properties of organic glass. It is pointed out that the photometric method does not require such complicated instrumentation as does the high-speed filming, and makes it possible to measure small phase differences. 8 references.

[Abstracter's note: Complete translation]

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